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E72-10134  
CR-128/88

FIRST BI-MONTHLY PROGRESS REPORT  
UNIVERSITY OF ALASKA  
ERTS PROJECT 110-7  
September 30, 1972

Title of Investigation

Application of ERTS-1 imagery to the study of caribou movements  
and winter dispersal in relation to prevailing snowcover

Principal Investigator/GSFC ID

Peter C. Lent/UN682

Problems Impeding Investigation

The only data received was 60 per cent cloud-covered, and the  
non-cloud-covered portion was not part of the test area.

Progress Report

1. Accomplishments during reporting period.

The project co-investigator obtained ground based and airborne  
data on concentrations and movements of the Porcupine caribou  
herd until post-calving dispersal. Unfortunately, the calving  
concentration dispersed before satellite launch on July 23.  
However, maps of vegetational disturbance and trail systems  
were obtained and may be of some value as ground truth until a  
new snowcover arrives.

2. Plans for next reporting period.

Attempts will be made to obtain low level aerial reconnaissance  
data in cloud-free areas during periods of scheduled satellite  
overflights.

Publications

No publications during reporting period.

Recommendations

None

Changes in Standing Order Forms

None

(E72-10134) APPLICATION OF ERTS-1 IMAGERY  
TO THE STUDY OF CARIBOU MOVEMENTS AND  
WINTER DISPERSAL IN RELATION TO PREVAILING  
SNOWCOVER P.C. Lent (Alaska Univ.,  
College.) 30 Sep. 1972 3 p

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Unclas

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Discipline

Environment

Subdiscipline

Phenology/Wildlife Habitat Surveys

Summary of Significant Results

Activities were primarily ground based and airborne data acquisition,  
and preparations for analysis of data. Therefore, there are no significant scientific, practical, or operational results to report.

# ERTS IMAGE DESCRIPTOR FORM

(See Instructions on Back)

DATE September 30, 1972

PRINCIPAL INVESTIGATOR Peter C. Lent

GSFC UN682

ORGANIZATION Alaska Cooperative Wildlife Research Unit

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PRODUCT ID (INCLUDE BAND AND PRODUCT)	FREQUENTLY USED DESCRIPTORS*			DESCRIPTORS
	River	Sea Ice	Lakes	
1002213001	X	X		
1002213002	X	X	X	Sea Islands
1002213003	X	X	X	Sea Islands/Ice-covered lake
1002213004	X	X	X	Sea Islands/Ice-covered lake
1002213005	X	X	X	Sea Islands/Ice-covered lake
1002213006	X	X	X	Sea Islands/Ice-covered lake
1002213007	X	X	X	Sea Islands/Ice-covered lake

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